

B.A.R.C.'s Bark

Volume XXIII - Issue 6

June, 1998

President's Notes

I wasn't able to attend the May BARC meeting but I have heard from the attendees that the presentation given by Dave Richendifer, WD0HNQ from the Colorado Chapter of SKYWARN was excellent and interesting with some really outstanding video sequences on tornadoes. I'm sorry I missed it but hope that everyone found it informative and maybe it stirred up the interest of some of our members to support this important Public Safety function provided by amateur radio operators.

I was delighted to hear that we found a new BARC Senior Field Day Chairman in the person of Bob Johnson, NQ5P. He and several others have formed a committee and are in the midst of planning this event and I am encouraged by the amount of "new blood" on that committee. Bob has a wealth of experience from Field Day operations and we will support him in any way we can to insure a successful FD outing for W0DK. If you plan to participate, please let it be known to Bob at your earliest possible convenience.

BARC will hold it's July meeting at Martin Park in conjunction with our annual BBQ picnic and foxhunt. This year, BARC will provide all the food and beverages, etc. Just bring your appetite! (and DF gear). Please notify BARC via phone, EMail or regular mail if you plan to attend and, if so, how many will be attending with your party. We will need this info ASAP in order to plan for the catering of this event. This years picnic should be a great one!

(See "Notes" cont. on page 2)

Meeting Minutes

BARC Board Meeting 4 May 1998

Jack, WM0G, Rip/NV0M, Dave/KE0OG, Jim/N0VLE, Ellie/N0QCX, Randy/K0RCC and Dan/N0NLS attended.

Repeater: Rip reports that Marty Bartels/KB0VQK has volunteered as a backup control operator. Rip will begin showing him the ropes.

Treasury: We're in good shape this year, with to-date income outstripping to-date expenditures slightly.

Juniors: All five pre-Dayton talks by Crystal and Blair are complete. The trial runs allowed plenty of fine tuning, and were good exposure for both the speakers and BARC/BARC Jrs. Plans for the Jr. Field Day are well underway.

BARCfest: Randy presented a draft flyer.

It was approved with minor changes, which Randy will make this week, and Dan will get some printed.

VE Sessions: On track for starting May 11.

Old Business: Our tax-exempt status is progressing. Once that is in place, we will be eligible for reduced postage rates for the newsletters and such.

MS Walkathon: 13 volunteers from BARC & BARC Jr. came forward to staff communications for the MS Walkathon on May 9. Thanks to all who offered help!

Field Day: Still no chairman. If no one steps forward, the Sr. Field Day event will be canceled.

BARC Picnic: The Board thought it would be a good idea to have the picnic catered, perhaps by Kaddy Shack.

New Business: United Way has notified us that a participant has named BARC as a recipient of his donation this year. Randy must do some paperwork to respond to them. If your company does a United Way campaign, please consider BARC as a designated recipient! Especially if your company is matching your donation! BARC benefits the community in many ways.

Submitted by:

Randy Cassingham/K0RCC

BARC Secretary

BARC General Meeting 19 May 1998

Jim Layman, N0VLE, BARC Vice President, conducted the meeting, as Jack Ciaccia, WM0G, President, was out of town. Randy Cassingham, K0RCC, Secretary was also out of town, so Dave Casler, KE0OG, Treasurer, took the minutes.

There was no secretary's report, as Randy is out of town. The minutes as in the most recent issue of BARC's BARK were approved as written and Dave Casler gave his trademarked (see "Minutes" cont. on page 6)

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---- Serving the Boulder Amateur Radio Community ----

Boulder Amateur Radio Club**P.O. Box 17362****Boulder, CO 80308-0362****President - Jack Ciaccia, WM0G****303-665-8037****WM0G@aol.com****Vice President - Jim Layman, N0VLE****303-665-2711****jim.layman@noaa.gov****Sec'y - Randy Cassingham, K0RCC****303-664-5366****K0RCC@thisistrue.com****Treasurer - Dave Casler, KE0OG****303-665-0510****KE0OG@msn.com****Trustee - Rip Van Winkle, NV0M****303-494-5578****NV0M@ix.netcom.com****BARC Jr. - Ellie Van Winkle, N0QCX****303-494-5578****NV0M@ix.netcom.com****Membership - Dan Wisotzkey, N0NLS****303-665-8367****N0NLS@aol.com****Newsletter Editor - Mary Ciaccia****303-665-8037****FAX: 303-665-8703****WM0G@aol.com****BARC Repeater****146.700 (-600 KHz offset)****100 Hz CTCSS****BARC 24 Hour Phone Number****303-380-6540****BARC E-Mail Address****BARC@pobox.com****BARC Website****<http://www.thisistrue.com/barc.html>****Monthly Meetings are held on the
Third Tuesday of every month
at NIST @ 7:30 PM (unless notified)****("Notes" cont. from page 1)**

In this issue, our newsletter editor has published the "Volunteer Protection Act of 1997" in its' entirety. I thought that we should find a copy of it to publish since I'd known of the existence of this law but had never read it. I also wondered how many others hadn't seen it. Interestingly enough, afterwards, I received my June issue of QST and found an article about the Act and some comments on its shortcomings, page 68 in the Op-Ed column. Please read it and understand to what extent you are protected by this law as an amateur radio operator providing a public service. You may want to take the page from this month's issue of BARC's Bark with the copy of the Volunteer Protection Act and file it for reference. By the way, Colorado was one of the few states that had a statute on the book for protection of volunteers many years before this Act was signed.

By now everyone who attended Dayton is back home again and we are happy to hear that our BARC Jr.'s did extremely well at the Dayton Youth Forum as we all knew they would. Congratulations to those who participated and to all who made this years event a success by donating their expertise and support. The BARC Jr.'s continue to be "a hard act to follow" at Dayton each and every year. It has become a proud tradition. There was a video taken at the event and we will try to edit a version for a future BARC meeting so we all can share in their proud moments.

This month's club meeting program will be about Radio Direction Finding or T-Hunting. Our guest speaker will be Dave Sharp, KI0HG, an avid and skilled DF'er who will give us a good look at this fun and practical side of our hobby. Dave will also show us equipment we can build to help make us more adept at this activity. Should be a great meeting, hope to see you all there.

73 de Jack, WM0G

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Editor's Corner

Hello BARC's Barkers~

What a busy month this has been and it looks as though the month's ahead are certainly going to be a great deal busier, for most. With the end of school for the year and graduations everywhere - children home for the summer months and vacations coming up, many of you will certainly be stretching yourselves thin. I'd really like to say thank you once again to those of you who have contributed to this newsletter. I continue to hear wonderful comments on it's content. The articles that are submitted are by and large contributed *by* BARC members *for* BARC members. Very little fillers have to be added. I know there are many published authors among the BARC membership. It would be extremely informative to the readers of this newsletter if you would allow us to publish your articles on occasion to help us to continue to keep this newsletter fresh and exciting for our readers each month.

The summer is going to find ham radio slowing down a bit after Field Day. This might be a great time for you BARC members to write that much needed article you were going to get around to for BARC's Bark. In the meantime, we are enjoying wonderful weather this time of year. Get out and take advantage of it. Colorado has so many great points of interest. The Flatirons - Long's Peak - Rocky Mountain National Park - CU - Elks - Buffalo - Mountain Goats (both 2-legged and 4-legged) - so many, many great sites to see, photograph and enjoy. Take pictures and don't forget to submit them to the W0DK QSL card contest. For details see page 11 in this issue.

Have a great Field Day. I'll be looking forward to some articles and pictures from some of you next month.

73 & 88, Mary

To submit items for the BARC's Bark newsletter send them to: Mary Ciaccia at PO Box 21362, Boulder, CO 80308 - 4362 or Fax them to 303-665-8703 or EMail them to:

WM0G@aol.com.

Articles need to be to the editor by the end of the month. Please be sure to put your name at the top of the article. -- ed.

Yap Yap

"The Voice of BARC Jr."

BARC Jr. Officers Jan - Jun 1998

President - Nathan, KB0UQS

Vice President - Tyler, KB0SHT

Secretary - Blair, KB0ROM

**Co-Treasurers - Chapman, KB0PON
& Walt, KC0BPC**

Young Hams Net

**Sundays at 7:00 PM
146.700 (-600KHz Offset)**

BARC Jr. News

Blair and Crystal made BARC Jr. and BARC proud. Their presentations went very well and it was clear to see that the audience enjoyed every minute of what each BARC Jr. had to say. Thanks to Crystal and Blair for upholding the BARC Jr. reputation. You two certainly were the best! A few highlights brought home from the Dayton Youth Forum are:

1. BARC Jr. has already been invited to the Dayton Youth Forum for 1999.
2. Blair, KB0ROM was asked to write an article for WorldRadio by the editor of the magazine about BARC Jr.
3. Carole Perry, WB2MGP was ecstatic about the plaque presented to her by the BARC Jrs.

The BARCfest Youth Forum is not that far away now (Sept. 27th). BARC is looking forward to having the Youth Forum at BARCfest and having about 8 to 10 BARC Juniors make presentations. Scheduled are: Blair, KB0ROM; Crystal, KC0AJF; Tyler, KB0SHT; Grant, KB0ZQX; Walt, KC0BPC; Amory, KC0BPB; Chapman, KB0PQN; Jimmy, KB0VXC; David, KC0DDR and Huck, KC0AGV. The guest moderator for the BARCfest Youth Forum will be Ms. Rosalie White, WA1STO who is with the Educational Activities Bureau at ARRL Headquarters in Newington, CT and also is a real fan of our BARC Jr.'s.

It isn't too early to be thinking about the

focus of your talk. Your presentation should be no longer than 10 minutes and you would want to cover the subjects of ham radio and yourself. Consulting with your parents and/or Ellie about it is encouraged.

By the way, if you are one of those people who accumulates more frequent flyer miles than you can possibly use due to your work and travel schedule, then why don't you think about donating them to BARC Jr.? If it wasn't for those generous individuals who have donated their excess frequent flyer miles in the past, I'm not sure if we could have afforded to send as many of our deserving BARC Jr.'s to Dayton each year like we have.

The annual picnic and foxhunt will be held Saturday, August 8th from 12 Noon till 4:00 PM at the Huck family's mountain property in Peaceful Valley. More details in the near future. Permission slips will be necessary for this event.

Our Field Day event is coming up this month. It will be held on June 27th and June 28th at the Boulder Elks Club grounds, 3975 28th St. in North Boulder. The Field Day operations are from 12 Noon Saturday, June 27th until 12 Noon Sunday, June 28th. Set up time will begin at 7:00 AM on Saturday the 27th. Permission slips are a must! Our spaghetti and pot luck dinner will start at 5:00 PM on Saturday the 27th for all BARC Jrs. and their family as well as for BARC Jr. Elmers. Mark your calendars and also be sure to let Ellie know if you are planning to stay overnight.

Submitted by: Ellie, N0QCX

BARCfest Donations Now Being Accepted !!

Now is the time to give that old ham "treasure" to a good cause. BARC Jr.'s will have a swap table at BARCfest and the proceeds are used for their expenses.

Call Ellie, N0QCX at (303) 494-5578.

BARC Jr. Calendar

Jun 13 - BARC Jr. BOD meeting at 11AM

Jun 27 & 28 - Field Day

June/ July - BARC Jr. election of officers.

Aug 8 - Picnic & Fox Hunt

Sep 27 - BARCfest Youth Forum

Going To Dayton

Dayton was wonderful! It was really fun and I enjoyed it immensely.

There were so many people - too many to count. There was anything and *everything* at Dayton. Gizmos and gadgets, radios, antennas, junk, books, wires, tools, just to mention a few. The flea market was huge. You couldn't walk to all the booths once in a week.

I had a lot of fun shopping for neat toys. My biggest purchase was a Cushcraft R7 antenna. The R7 is a multi band vertical antenna that covers 10 to 40 meters. I am hoping that it will help improve my DXing. Currently, my favorite activity is making contacts using SSB on 20 meters. I also got three books about ham radio - an ARRL operating manual, a study guide for advanced theory and a repeater directory. I got a whip antenna for my HT, not to mention that I picked up literature from a lot of different booths.

Another thing I did at Dayton, was to go to the YLRL meeting. It was interesting, and I met the President of the club. I also talked to the gal who was featured in the DXpedition article in the May issue of QST. During the meeting, they had two drawings. One was for people who weren't part of the YLRL. The prize was a year membership to YLRL and I won.

My talk in the youth forum went really well. I gave my speech for 10 minutes and people listened to me. (Nobody even fell asleep)! I think that everyone enjoyed my speech. Once I got past being nervous, I enjoyed giving my talk. It was fun to share my excitement of ham radio with other people. I'm sure my eyes glowed and a smile a mile wide lit up my face. I also enjoyed hearing the other talks in the youth forum. Five out of the eight speakers were from Colorado. We were well represented at Dayton.

submitted by:

Crystal Hart, KC0AJF

General Class and 20WPM credit

Age 12

(see picture on page 10)



VIDEO VIEWS from CHAUTAUQUA (Parts IV & V of a multi-part ATV series)

By Jim Andrews, WA0NHD-TV

Part IV - TV Transmitters

The best source for buying a ham, 70cm TV transmitter is P.C. Electronics. It is a "Mom & Pop" ham operation run by Tom, W6ORG & Mary Ann, WB6YSS, O'Hara. Write to them at P.C. Electronics, 2522 Paxson Lane, Arcadia, California 91007 and ask for their catalog. They have quite an extensive line of ham TV products including transmitters, power amplifiers, antennas, down converters, receivers, preamps, TV repeaters, filters, IDers, etc. They advertise every month in QST with 1 or 2 small

1/6th page ads in the back of magazine. Most of the TV hams in the Boulder area are using P.C. Electronics transmitters. All of the BCARES TV transmitters were assembled with modules from P.C. Electronics.

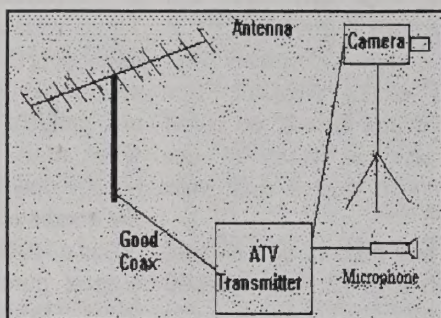
I recommend that you either buy their 1.5 watt or 10 watt transmitter. The 1 watt unit is ideal for portable or base station use. The 10 watt transmitter is more suited for mobile or base station use. Incidentally, for TV transmitters, the power rating is the peak envelope power (PEP) the same as for SSB rigs. TV transmitters are basically AM transmitters. Thus the average output power and the PEP are not the same.

The model number of the P.C. 1.5 watt transmitter is TX70-1b and it sells for \$299. The model number of the P.C. 10 watt transmitter is TX70-10 and it sells for \$439. They transmit full color video plus TV sound. They require +12 VDC power. They are packaged in all metal, die-cast, fully shielded boxes. They include controls for power on/off, video gain, line audio gain, mike gain, frequency F1 or F2 and transmit/receive. The transmitters are capable of full key down, 100% duty cycle, continuous operation.

Both transmitters are crystal controlled and come with a single crystal installed. You specify the desired frequency when you order the transmitter. They are capable of two frequency operation. There is a two position switch on the front panel which activates an internal relay to switch crystals. They sell a second crystal for an extra \$20. The crystal

frequencies they stock are 426.25, 427.25, 434 and 439.25 MHz. They do not stock our local 438.75 MHz frequency. If you want to be on 438.75 MHz, you will need to order that crystal separately from a crystal manufacturer, such as International Crystals.

If you like to do a little bit of your own home-brewing, you can assemble your own TV transmitters from separate modules from P.C. Electronics. All of the BCARES transmitters were built this way. If you want a 1.5



watt transmitter, order the p.c. board model KPA5-F for \$169. It comes as a completely assembled, tuned up and working p.c. board. This is the same identical board as is in the TX70-1b.

For a 10 watt TV transmitter you will need to order 3 modules. They are the model TXA5-70c 50mW exciter/video modulator board for \$99, the model FMA5-F audio subcarrier board for \$39 and the model PA5, 10 watt power module for \$99. Again, these are the same modules as found in the TX70-10. You will need to supply your own box, connectors and controls if you elect to assemble your own transmitter.

P.C. Electronics also sell "After-Burner" amplifiers that will kick your power up to 50, 100 or 150 watts. Prices for these, range from \$250 to \$800. These are serious amplifiers and I do not recommend getting one of these for your first ham TV station. They should only be considered later if you get real serious. They typically need 5-10 watts of drive power. These amps will also require a heavy duty 13.8VDC, 25 Amp power supply and lots of forced air cooling. They get real hot under high duty cycle TV service!

73 de Jim, WA0NHD - TV

Amateur TV Repeaters

Location	Input	Output	Callsign
Colo. Sprgs	421.25	911.25	WA0YWV
Denver	1253.25	425.25	N0IVN
Boulder	438.75	421.25	WA0NHD

Part V - TV Cameras

What are you going to use for your source of video pictures for ham TV? The ideal is to have your own TV camera. Do you already own a camcorder? If so, you already have your ham TV camera! You can also use your home VCR as a TV source and play back video tapes. Some hams also use their computer as a video source. You cannot use the VGA monitor outputs to drive your TV set or TV transmitter. VGA is not compatible with conventional TV sets. There are, however, some computer plug-in cards that will provide TV video outputs. The old original Apple and Radio Shack computers from the early 80s did provide a TV video output and were designed to use a TV set as the monitor. If you still have an old Apple II collecting dust in the basement, you can dig it out and use it as a source of TV video.

The ideal situation is to have a camcorder. If you don't already have one, this would be an ideal opportunity to get the entire family interested in your hobby. Convince the XYL (or OM) that the family really needs a camcorder to record the kids growing up, family vacations, etc. When the family is not using the camcorder for these events, it can become your ham shack TV camera. Plus your family videos are a great source of ham TV program material.

A camcorder is the ideal ham TV camera. Camcorder = Camera + Video Recorder. The camcorder includes a color camera plus the tape mechanism for both recording and playing back video tapes. It also includes a microphone for picking up and recording audio. It also includes a small monitor CRT as a viewfinder to see the picture the camera is seeing. Camcorders are designed for portable operation and come with a 6 VDC, rechargeable Ni-Cad battery. Standard included accessories are an AC power supply for home operation and a battery charger.

My personal preference and recommendation is to go with an 8mm camcorder rather than the digital, VHS or VHS-C camcorders. Digital camcorders are the latest new gadget and are the smallest camcorders, but right now are very expensive. A VHS camcorder records on the regular VHS tape cartridge as you use in your home VCR. However, a VHS camcorder is very big,

(See "TV Camera" cont. on page 5)

1998 BARC Meetings, Programs and Activities

Jun 16 - "The Fine Art of Fox-Hunting". Tips, Techniques and Equipment used in T-Hunting. Learn how this activity is used for fun and for serious situations as well. Guest speaker will be Dave Sharpe, KI0HG. NIST, Rm. 1107

Jun 27, 28 - Field Day - Two separate sites for BARC Sr. and BARC Jr. - BARC Jr.'s site will be at the Elks Club grounds, 3975 28th St, No. Boulder. BARC Sr.'s Field Day site TBD.

Jul 21 - BARC Annual Picnic and Fox Hunt. This year we will have a catered BBQ provided by BARC - RSVP with the number of members & family attending via the BARC 'HotLine' or via BARC's EMail address. After the BBQ, the "Foxes" will be let loose - Bring along your RDF gear and let's see who will reign this year as "Lord of the Foxes" - BARC's Picnic Site is Martin Park.

Aug 18 - "ATV Equipment, Antennas and Basic Theory" - Guest speaker will be Jim Andrews, WA0NHD. Jim will conclude his informative, multi-part ATV articles that have been featured in this newsletter with this ATV presentation and equipment demo. Meeting at NIST, Rm. 1107.

Sep 15 - "Time Coordination Around The World And How It Effects Radio Communications". Plus information on the atomic clock and the research going on here at NIST for an even more accurate clock. Guest speaker will be John Lowe from NIST. Meeting will be held at NIST, Rm. 1107.

Sep 27 - BARCfest and ARRL Colorado District Convention. The theme is "Youth and Amateur Radio". A youth forum will be featured and the forum moderator will be Rosalie White, WA1STO head of the Education Activities Committee from ARRL HQ. Meet your Rocky Mountain ARRL representatives. For more info check the BARC website at URL:

<http://www.thisistrue.com/barc.html>

Oct 20 - QRP Home Brew Night - Bring along any Home Brewed QRP Ham Radio gear (including kits) for **Show and Tell**. Guest speaker tonight will be Rich, WOHEP, President of the **Colorado QRP Club**, W0CQC. Meeting at NIST, Rm. 1107.

Nov 17 - Code Proficiency Test. - The code proficiency test will be held at 6:30PM prior to the regular meeting. Bring along your water cooled pencil for this event! 5 -?? WPM. How fast can you copy ? Certificates awarded. Guest speaker will be Yardley Beers, W0JF with his presentation on "**The Mathematics of Trap Antennas**". Meeting at NIST, Rm 1107.

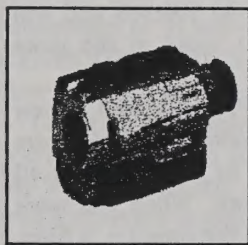
Dec 15 - "The Space Environment & it's Effect on Radio Communications" presented by Dick Grubb, W0QM, acting director of the Space Environment Center. NIST, Rm 1107.

("TV Camera" cont. from page 4)

bulky and heavy. VHS-C (this means VHS-compact) camcorders are smaller and use a smaller tape cartridge. The VHS-C cartridge plays in your home VHS VCR but it must be installed in an adapter cartridge. The key disadvantage of the VHS-C is the very short 20 minute recording time. Most of the new camcorders on the market today use the 8mm format. An 8mm cartridge is about the same size as an audio cassette and will record a phenomenal 2 hours of video! New 8mm camcorders are now selling for as low as \$350. This is comparable to the price of many of our dual-band HTs. There are also higher resolution camcorder variations called S-VHS (or Super VHS) and hi-8 (or hi-resolution 8mm). They do record in finer detail than VHS or 8mm but are considerably more expensive.

Used, older color camcorders can be bought at swap fests for \$100 or less. Old black and white TV cameras can be picked up at swap fests for typically \$25. Another possibility for a low cost camera is some of the ultra-tiny, pin-hole, p.c. board cameras. I have seen these advertised as low as \$60 for a black & white camera and \$190 for a color camera. I have also seen these offered for sale at ham swap fests.

When you get a camera, you will also want to have a tripod to set up the camera in your shack. I have found a good, inexpensive, fluid head tripod at Target. It is the Velbon model S-6000 and sold for about \$45.



BCARES Support of Boulder County Flood Exercise

On May 6, 1998, BCARES members supported a Boulder County Flood Exercise. The exercise was to simulate a massive and sudden flood of Boulder Creek in the western Boulder City area. The responsibility of BCARES was to provide live video and sound coverage of the simulated flood at key city buildings, the Municipal Center and the Library, near Boulder Creek. The ATV signals were transmitted back to the Boulder Regional Community Center (BRCC) Command Post. An ATV repeater located at Chautauqua Park provided a good high quality TV signal to the Command Post from the ATV crew in the field.

The main voice communications between the Command Post, and the ATV crew at the 'flood' was on a BCARES simplex FM frequency. This communications link was used to coordinate ATV received signal strength, microphone settings and ATV viewing 'target'. It is assumed that if the ATV link failed, 'flood' reports would be called in by voice on this simplex frequency or, via the BCARES repeater, on 146.76.

Slight to moderate interference from a digital microwave system was noted on the BCARES ATV monitor. Both video and sound was affected as data 'packet bursts' were transmitted. This could probably be remedied with some filtering.

Lt. Larry Sterns of the BCSD Office of Emergency Management was in charge of the operation and read from a script as the events unfolded. Real time rain gauge readings and Boulder Creek water levels were also being transmitted into the command post. TV news coverage by Channels 4, 7 and 9 covered the event live, from inside the command post.

BCARES members who participated included: Jack Ciaccia, WM0G; Vickie Schneider, N0XCX; Pat Lambert, WD-0FEX; Don Nelson, N0UGY; Ed Bixby, AK0X and Mike Bartosewcz, N6TOL.

Submitted by:

Mike Bartosewcz, N6TOL



("Minutes" cont. from page 1)

full-color treasurer's report. The club is financially healthy, with over \$6,000 in the bank.

Darlene Cypser, a Boulder attorney, presented an idea to the club membership. She is on the board of Nyx, a public-access Internet provider. This is a public-service organization, and is continually looking for further ways to serve the public. She offered to the club the opportunity to do a packet to Internet connection. The club would provide the packet end--radio, antenna, TNC. Nyx would provide the PC, software and the Internet connection at no charge to BARC. All e-mail is sorted by procmail, so any type of filtering is possible, and Internet to packet e-mail could be limited to approved addresses. Her interesting proposal was referred to the board for further discussion and a decision to be presented to the BARC membership.

Dan Wisotzkey, NONLS, our membership chairman, presented the membership report. We have two new members, N0TNG and KB0THU, bringing our total to 147 paid memberships, an all-time high.

In BARC Junior matters (Ellie, N0QCX, was at Dayton) the BARC Junior presentations went very well. (*Look elsewhere in this issue for a full report.*)

For Programs and Activities, Jim, N0VLE, reported that the Colorado QRP Club's presentation for October has been confirmed, so our program for the year is now fully planned.

There were no reports from the technical and interference committee, and no activity by the health and welfare committee.

NQ5P, Bob Johnson, volunteered to be our Field Day committee chairman. He took signups from several others to assist him. With Bob at the helm, look for a spectacular field day! It was noted he has a budget available to him. No amount is currently specified, however, last year the club allocated \$300 of which about \$200 was spent.

Glen, W9FFU, being a Boulder resident, volunteered to make the reservations at Martin Park for the club picnic. The club picnic will be held 21 July 1998 (a Tuesday evening) at 6pm. Dan, N0NLS, who doubles as the BARCfest chairman, reported the magazines have been notified about the swapfest. Arrangements for the tables will be made in July. Dan is looking for doorprize donations. We'll do doorprizes this year, meaning winners must be present to win. We will give away HT's on the hour. Rosalie White from the ARRL is a confirmed attendee, and will

be here to moderate the youth forum.

The club public service at the Multiple Sclerosis Walkathon was quite successful. Our thanks to the several BARC and BARC Junior hams who participated! The event went well and the hams were used fully in their role as communicators.

Bob, NQ5P, reported on the monthly puzzler. The first solution was from BARC Junior (and Dayton speaker) Blair Harness, KB0ROM. There is no puzzler this month, and Bob is looking for ideas for questions. He also asked for suggestions for antennas to use for AO-27.

Dave Casler, KE0OG, a member of the BARC VE team, gave a report on the first BARC testing session to be held in many years. The first session was held May 11th at the Mormon church atop Davidson Mesa in Louisville (701 South Boulder Road). We had a plethora of VE's available (many thanks!), minted one new Technician, one passed her Novice written and one passed his Extra written. The exams are held every month on the second Monday at 7pm at the Mormon church location.

Our next BARC meeting will be held on June 16th at NIST. The subject will be fox hunting, and the speaker will be Dave, K10HG. Dave's passion is foxhunting and he's delighted the BARC Juniors many times with some very challenging hunts. He'll undoubtedly show his design for a very simple active direction-finding antenna that you can build yourself and will share wild tales from some of the more unusual hunts.

Bob Johnson, NQ5P, announced a new club award, the Worked All Members (WAM). The idea is to keep a list of all club members you work. When you work the other member (on the repeater is fine), ask that person about their first ever QSO. You'll need to make a note of what band and mode this first contact was. When you have worked 100 members (wow!) you'll get a certificate and recognition in BARC's BARK (what more could anyone want?).

The evening's speaker was Dave Richendifer, WD0HNQ, an area coordinator for SKYWARN. SKYWARN is an organization that provides on-scene severe storm tracking for the National Weather Service. As part of his presentation, Dave included a video describing severe thunderstorms and the resulting tornados.

*Respectfully submitted,
Dave Casler, KE0OG
BARC Treasurer*

Colorado Amateur Radio License Exam Information

Testing in Northern Colorado

Boulder - The Boulder VE Team holds exams the **2nd Monday of each month** at 7 PM at the LDS (Mormon) Church on 701 W. South Boulder Rd. in Louisville. Contact Ellie Van Winkle, N0QCX at (303) 494-5578 for details.

Ft. Collins - Exams are held the **second Saturday of odd months** at 9 AM at Colorado State University, Lory Student Center, Room 206, Ft. Collins, CO. Contact Steve Henry at (970) 226-2817.

Longmont - The Longmont Amateur Radio Club VE Team holds exams the **fourth Saturday of every month** at 10 AM at the Boulder County Fairgrounds, Administration Bldg., Longmont, CO. Contact Earle Cate, N0ISB at (303) 776-9158 or Ray at (303) 776-2954.

Greeley - The Greeley VE Team holds exams on the **second Saturday of even months** at the University of Northern Colorado, 11th Ave. and 21st St., Ross Hall, Room 36, Greeley, CO 80631. Contact Andy Loomis at (970) 339-9836

Denver Metro Testing

The South Metro VE Team holds test sessions the **first Saturday of every month** at the Castlewood Public Library, 6739 S. Uinta St., the SW corner of Arapahoe Rd. and Uinta, 1/2 mile West of I-25. Amateur Exams are held at 9 AM, Commercial Exams are held at 1 PM. For more info call David Avery, N0HEQ, at (303)795-5718.

The Mile High VE Team holds exams the **second Saturday of every month** at 9 AM at St. Luke's Episcopal Church, 1270 Poplar St. Enter from the parking lot at 13th Ave. and Quebec St. For details call Glenn or Karen Schultz at (303) 366-0155.

The Denver Radio Club VE Team holds exams the **third Thursday of every month** at 7 PM at Tech America, 1550 So. Colorado Blvd. For more info call Paul Veal, N0AH, at (303) 457-0665

The W5YI VE Team holds periodic testing in Aurora on the **last Sunday of every month** at 10 AM. For more info call Lee Tingle, K0LT, at (303) 364-6783

Public Law 105-19, The Volunteer Protection Act of 1997

as signed into law by President Clinton on June 18, 1997 S.543 One Hundred Fifth Congress of the United States of America

AT THE FIRST SESSION

Begun and held at the City of Washington on Tuesday, the seventh day of January, one thousand nine hundred and ninety-seven

An Act

To provide certain protections to volunteers, nonprofit organizations, and governmental entities in lawsuits based on the activities of volunteers.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE. This Act may be cited as the 'Volunteer Protection Act of 1997'.

SEC. 2. FINDINGS AND PURPOSE. (a) **FINDINGS-** The Congress finds and declares that-- (1) the willingness of volunteers to offer their services is deterred by the potential for liability actions against them; (2) as a result, many nonprofit public and private organizations and governmental entities, including voluntary associations, social service agencies, educational institutions, and other civic programs, have been adversely affected by the withdrawal of volunteers from boards of directors and service in other capacities; (3) the contribution of these programs to their communities is thereby diminished, resulting in fewer and higher cost programs than would be obtainable if volunteers were participating; (4) because Federal funds are expended on useful and cost-effective social service programs, many of which are national in scope, depend heavily on volunteer participation, and represent some of the most successful public-private partnerships, protection of volunteerism through clarification and limitation of the personal liability risks assumed by the volunteer in connection with such participation is an appropriate subject for Federal legislation; (5) services and goods provided by volunteers and nonprofit organizations would often otherwise be provided by private entities that operate in interstate commerce; (6) due to high liability costs and unwarranted litigation costs, volunteers and nonprofit organizations face higher costs in purchasing insurance, through interstate insurance markets, to cover their activities; and (7) clarifying and limiting the liability risk assumed by volunteers is an appropriate subject for Federal legislation because-- (A) of the national scope of the problems created by the legitimate fears of volunteers about frivolous, arbitrary, or capricious lawsuits; (B) the citizens of the United States depend on, and the Federal Government expends funds on, and provides tax exemptions and other consideration to, numerous social programs that depend on the services of volunteers; (C) it is in the interest of the Federal Government to encourage the continued operation of volunteer service organizations and contributions of volunteers because the Federal Government lacks the capacity to carry out all of the services provided by such organizations and volunteers; and (D)(i) liability reform for volunteers, will promote the free flow of goods and services, lessen burdens on interstate commerce and uphold constitutionally protected due process rights; and (ii) therefore, liability reform is an appropriate use of the powers contained in article 1, section 8, clause 3 of the United States Constitution, and the fourteenth amendment to the United States Constitution. (b) **PURPOSE-** The purpose of this Act is to promote the interests of social service program beneficiaries and taxpayers and to sustain the availability of programs, nonprofit organizations, and governmental entities that depend on volunteer contributions by reforming the laws to provide certain protections from liability abuses related to volunteers serving nonprofit organizations and governmental entities.

SEC. 3. PREEMPTION AND ELECTION OF STATE NON APPLICABILITY. (a) **PREEMPTION-** This Act preempts the laws of any State to the extent that such laws are inconsistent with this Act, except that this Act shall not preempt any State law that provides additional protection from liability relating to volunteers or to any category of volunteers in the performance of services for a nonprofit organization or governmental entity. (b) **ELECTION OF STATE REGARDING NON APPLICABILITY-** This Act shall not apply to any civil action in a State court against a volunteer in which all parties are citizens of the State if such State enacts a statute in accordance with State requirements for enacting legislation-- (1) citing the authority of this subsection; (2) declaring the election of such State that this Act shall not apply, as of a date certain, to such civil action in the State; and (3) containing no other provisions.

SEC. 4. LIMITATION ON LIABILITY FOR VOLUNTEERS. (a) **LIABILITY PROTECTION FOR VOLUNTEERS-** Except as provided in subsections (b) and (d), no volunteer of a nonprofit organization or governmental entity shall be liable for harm caused by an act or omission of the volunteer on behalf of the organization or entity if-- (1) the volunteer was acting within the scope of the volunteer's responsibilities in the nonprofit organization or governmental entity at the time of the act or omission; (2) if appropriate or required, the volunteer was properly licensed, certified, or authorized by the appropriate authorities for the activities or practice in the State in which the harm occurred, where the activities were or practice was undertaken within the scope of the volunteer's responsibilities in the nonprofit organization or governmental entity; (3) the harm was not caused by willful or criminal misconduct, gross negligence, reckless misconduct, or a conscious, flagrant indifference to the rights or safety of the individual harmed by the volunteer; and (4) the harm was not caused by the volunteer operating a motor vehicle, vessel, aircraft, or other vehicle for which the State requires the operator or the owner of the vehicle, craft, or vessel to-- (A) possess an operator's license; or (B) maintain insurance. (b) **CONCERNING RESPONSIBILITY OF VOLUNTEERS TO ORGANIZATIONS AND ENTITIES-** Nothing in this section shall be construed to affect any civil action brought by any nonprofit organization or any governmental entity against any volunteer of such organization or entity. (c) **NO EFFECT ON LIABILITY OF ORGANIZATION OR ENTITY-** Nothing in this section shall be construed to affect the liability of any nonprofit organization or governmental entity with respect to harm caused to any person. (d) **EXCEPTIONS TO VOLUNTEER LIABILITY PROTECTION-** If the laws of a State limit volunteer liability subject to one or more of the following conditions, such conditions shall not be construed as inconsistent with this section: (1) A State law that requires a nonprofit organization or governmental entity to adhere to risk management procedures, including mandatory training of volunteers. (2) A State law that makes the organization or entity liable for the acts or omissions of its volunteers to the **PROTECTION FOR VOLUNTEERS-** Except as provided in subsections (b) and (d), no volunteer of a nonprofit organization or governmental entity shall be liable for harm caused by an act or omission of the volunteer on behalf of the

(see Volunteer Protection Act - cont. on page 8)

(Volunteer Protection Act - cont. from page 7)

organization or entity if-- (1) the volunteer was acting within the scope of the volunteer's responsibilities in the nonprofit organization or governmental entity at the time of the act or omission; (2) if appropriate or required, the volunteer was properly licensed, certified, or authorized by the appropriate authorities for the activities or practice in the State in which the harm occurred, where the activities were or practice was undertaken within the scope of the volunteer's responsibilities in the nonprofit organization or governmental entity; (3) the harm was not caused by willful or criminal misconduct, gross negligence, reckless misconduct, or a conscious, flagrant indifference to the rights or safety of the individual harmed by the volunteer; and (4) the harm was not caused by the volunteer operating a motor vehicle, vessel, aircraft, or other vehicle for which the State requires the operator or the owner of the vehicle, craft, or vessel to-- (A) possess an operator's license; or (B) maintain insurance. (b) **CONCERNING RESPONSIBILITY OF VOLUNTEERS TO ORGANIZATIONS AND ENTITIES-** Nothing in this section shall be construed to affect any civil action brought by any nonprofit organization or any governmental entity against any volunteer of such organization or entity. (c) **NO EFFECT ON LIABILITY OF ORGANIZATION OR ENTITY-** Nothing in this section shall be construed to affect the liability of any nonprofit organization or governmental entity with respect to harm caused to any person. (d) **EXCEPTIONS TO VOLUNTEER LIABILITY PROTECTION-** If the laws of a State limit volunteer liability subject to one or more of the following conditions, such conditions shall not be construed as inconsistent with this section: (1) A State law that requires a nonprofit organization or governmental entity to adhere to risk management procedures, including mandatory training of volunteers. (2) A State law that makes the organization or entity liable for the acts or omissions of its volunteers to the same extent as an employer is liable for the acts or omissions of its employees. (3) A State law that makes a limitation of liability inapplicable if the civil action was brought by an officer of a State or local government pursuant to State or local law. (4) A State law that makes a limitation of liability applicable only if the nonprofit organization or governmental entity provides a financially secure source of recovery for individuals who suffer harm as a result of actions taken by a volunteer on behalf of the organization or entity.

SEC. 5. LIABILITY FOR NON ECONOMIC LOSS. (a) **GENERAL RULE-** In any civil action against a volunteer, based on an action of a volunteer acting within the scope of the volunteer's responsibilities to a nonprofit organization or governmental entity, the liability of the volunteer for non economic loss shall be determined in accordance with subsection (b). (b) **AMOUNT OF LIABILITY-** (1) **IN GENERAL-** Each defendant who is a volunteer, shall be liable only for the amount of non economic loss allocated to that defendant in direct proportion to the percentage of responsibility of that defendant (determined in accordance with paragraph (2)) for the harm to the claimant with respect to which that defendant is liable. The court shall render a separate judgment against each defendant in an amount determined pursuant to the preceding sentence. (2) **PERCENTAGE OF RESPONSIBILITY-** For purposes of determining the amount of non economic loss allocated to a defendant who is a volunteer under this section, the trier of fact shall determine the percentage of responsibility of that defendant for the claimant's harm.

SEC. 6. DEFINITIONS. For purposes of this Act: (1) **ECONOMIC LOSS-** The term 'economic loss' means any pecuniary loss resulting from harm (including the loss of earnings or other benefits related to employment, medical expense loss, replacement services loss, loss due to death, burial costs, and loss of business or employment opportunities) to the extent recovery for such loss is allowed under applicable State law. (2) **HARM-** The term 'harm' includes physical, nonphysical, economic, and non economic losses. (3) **NON ECONOMIC LOSSES-** The term 'non economic losses' means losses for physical and emotional pain, suffering, inconvenience, physical impairment, mental anguish, disfigurement, loss of enjoyment of life, loss of society and companionship, loss of consortium (other than loss of domestic service), hedonic damages, injury to reputation and all other non hedonic damages, injury to reputation and all other non pecuniary losses of any kind or nature. (4) **NONPROFIT ORGANIZATION-** The term 'nonprofit organization' means-- (A) any organization which is described in section 501(c)(3) of the Internal Revenue Code of 1986 and exempt from tax under section 501(a) of such Code and which does not practice any action which constitutes a hate crime referred to in subsection (b)(1) of the first section of the Hate Crime Statistics Act (28 U.S.C. 534 note); or (B) any not-for-profit organization which is organized and conducted for public benefit and operated primarily for charitable, civic, educational, religious, welfare, or health purposes and which does not practice any action which constitutes a hate crime referred to in subsection (b)(1) of the first section of the Hate Crime Statistics Act (28 U.S.C. 534 note). (5) **STATE-** The term 'State' means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, the Northern Mariana Islands, any other territory or possession of the United States, or any political subdivision of any such State, territory, or possession. (6) **VOLUNTEER-** The term 'volunteer' means an individual performing services for a nonprofit organization or a governmental entity who does not receive-- (A) compensation (other than reasonable reimbursement or allowance for expenses actually incurred); or (B) any other thing of value in lieu of compensation, in excess of \$500 per year, and such term includes a volunteer serving as a director, officer, trustee, or direct service volunteer.

SEC. 7. EFFECTIVE DATE. (a) **IN GENERAL-** This Act shall take effect 90 days after the date of enactment of this Act. (b) **APPLICATION-** This Act applies to any claim for harm caused by an act or omission of a volunteer where that claim is filed on or after the effective date of this Act but only if the harm that is the subject of the claim or the conduct that caused such harm occurred after such effective date.

Speaker of the House of Representatives.

Vice President of the United States and

President of the Senate.

BARC & BARC Jr. Members assist MS Walkathon

On Saturday, May 9th, 13 members of BARC and BARC Jr. helped out with the annual MS Walkathon by providing communications. The following hams assisted: Terry, KC0BCP and his son Aaron; Dave, KE0OG; Loretta, KB0VWW; Jon, KC0PGU; Sarah, KB0ZRV; Eric, KG0YS; George, N0RUX; Rich, N0SH; Keith, WB0YPO, John, N0RUP; Chapman, KB0PON and Jack, WM0G.

Communications was provided by BARC/ BARC Jr. members from the Start/Finish line to each of the 4 Rest Stops along the 8 mile course. Other hams communicated between the Sag vehicles and the Event committee. Two of our BARC Jr.'s, Eric and Jon, shepherded the walkers from start to finish while being bicycle mobile. Other assistance was provided by Ellie, N0QCX who monitored the 146.700 repeater and made the necessary 'land line' calls when needed.

The BARC members cheerfully pitched in to help clean up the rest stops as they were being dismantled and took down the course sign markers as well. Special thanks to Terry for the use of his vehicle to haul supplies.

Submitted by: Jack, WM0G

LARC Scholarship

The Longmont Amateur Radio Club is offering a **\$500 scholarship** to a recent high school graduate enrolled in an accredited college or university. The applicant must have a current amateur radio license and live in Boulder Valley, St. Vrain school districts or from the surrounding areas. Applicants from public, private, religious or home schools are welcome to apply. The scholarship is for the 1998-99 school year. Because of the time restraints we ask that the applications be mailed directly to the scholarship committee at the following address no later than **July 15th**.

Coralyn Stransky (N0NWT)
11330 North 59th Street
Longmont, CO 80503

Or you may fax your application to Coralyn Stransky at: 303-776-9845

For more information or for an application please call Coralyn at: 303-776-2110.

Ham Talk

By Bob Johnson, NQ5P

Please submit questions, comments, or puzzler solutions to Bob Johnson, NQ5P, preferably via e-mail (rjohnson@jceinc.com). Whoever first answers a puzzler will be recognized at the next club meeting.

We didn't have a Ham Talk puzzler for May. But see if you can solve this one:

June Puzzler

Joe Ham just passed his General Class License exam, and was looking forward to his first SSB contact. Joe wanted to be very careful to operate within the limits of his license permissions, so he pinned a copy of the U.S. Amateur Band Plan above his operating position. Elmer Fudd came over to guide him through his first few phone contacts on HF. Joe was very surprised when Elmer told him he couldn't operate on 21.449 MHz because it was too close to the 15 meter band edge. But when Joe switched to 40 meters, Elmer said it was OK to operate at 7.299 MHz. Why was it OK to operate so close to the band edge on 40 meters but not on 15 meters? Was Elmer Fudd being wishy-washy?

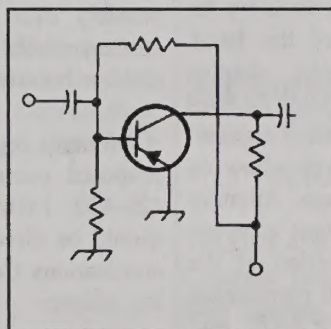
WAM Award

How are you doing on the WAM award? I must admit I've been so busy lately that I haven't been on the air much or even started my *Worked Almost-all Members!* This is going to be fun though and I suspect a tradition that will be resurrected from time to time. June is a great time to make new HAM friends. Remember to record the date of your contact with the other member and the band and mode he/she used for their first HAM contact. Send or hand a copy of the completed log sheets to me. Schedules are OK and so are Nets. If you need to, call those HAMS by landline and get them on the air! Tell them to join us for Field Day this year, too. I said 100 contacts but maybe I'll relax this a bit if ya' all think I should. Sorry David, KC0DDR for calling you Dave last month!

Chasing DX

I'm really gearing up for working foreign countries as the sunspot cycle improves long distance communication, which we call DX on the High Frequency (HF) bands. This month I've worked the Bahamas, Nevis Island, Costa Rica, Cuba, Paraguay, Brazil, Chile, Guadeloupe Island, and New Zealand. I've heard Russia, Romania, and Yugoslavia, but didn't work them. I worked quite a number of other countries in March and April. However, I'm just a beginner learning the DX operating skills, and yes, a few tricks, to make that exciting contact. Let me share a couple of things with you, now. In the next few months I plan to interview the real local DX'ers so keep tuned.

By the way, I only have a dipole in the attic and run 100 watts.



The Split Frequency

The DX station will usually say two numbers, such as "three hundred, three ten". This means that he is listening between the ranges of 300 to 310 kilohertz on the band. I worked H40AA on Solomon Islands this way. He transmitted on 21.295 MHz, and I transmitted on 21.30497 MHz. You'll need a transceiver with delta transmit or delta receive, or dual VFOs with split capability. It also really helped me to have dual watch capability, as I was able to listen to both sides of the conversation and choose my transmitting frequency judiciously. If you don't have any of these capabilities, don't be forlorn. Not too many DX stations do this, and there is plenty of opportunity still.

The Suffix Sender

I have tried this upon occasion, and it worked for me to contact George, TO5G, on Guadeloupe Island. I gave my call sign when he finished a QSO, and then repeated just my suffix. I was surprised when George came back and called for just the station with my suffix, to respond. I understand why this works. It's less to have to recognize and remember from a number of simultaneous callers. It helps for the same reason if you have catchy phonetics for your call, like "Kilo Zero Kilo Mike". Mine is just "Norway Quebec Five Portugal". Oh well.

See you next month!

ARRL Seeking 70-cm Band Comments

Tom O'Hara, W6ORG, ARRL Technical Advisor for Spectrum Management and ATV, reports that the American Radio Relay League is seeking input from users of the 420-430 MHz segment of the 70-cm band as to the monetary loss to hams if the band segment were taken away and given to Private Mobile Radio Services as per LM-CC's RM-9267. The total monetary amount will be included in the ARRL's filing with the FCC. Your monetary loss should be part of your personal filing as well.

The ARRL can estimate the monetary amount based on the number of FM voice repeaters listed in the repeater directory for the 440-450 MHz segment of the band. However, not all repeater links, simplex systems, or uncoordinated repeater systems occupying the 420-430 MHz band segment appear in the ARRL's records to allow an accurate estimate of band usage. Amateur Television (ATV) communications is generally popular in the lower portion of the 70-cm band and should be well represented in comments filed with both the ARRL and FCC.

Estimates of how much capital equipment is used for radio communications in the 70-cm band should be directed to Jay Mabey (jmabey@arrl.org) at the ARRL. Include your callsign and frequencies/modes used in the lower portion of the 70-cm band.

REMEMBER: Filing comments in support of maintaining our frequency allocations is a small price to pay for the free use of RF spectrum that is worth many millions of dollars in the commercial world. While commercial interests will argue about how much revenue is to be made if amateur radio spectrum is turned over for their use, the truth is that a great deal of public money from Colleges, Universities, local offices of emergency management, etc. is already heavily invested in communication systems such as repeater systems and amateur radio communication satellites that currently make extensive use of the 70-cm amateur radio band. Not only amateur radio operators, but the general public at large may very well stand to lose more than they could possibly ever gain by a take-over of amateur radio frequencies for commercial use because of this fact.

Comments regarding RM-9267 and the proposed commercial take-over of the 420-450 MHz amateur 70-cm band should be directed to the Federal Communications Commission at the following address:

RM-9267
Secretary
Federal Communications Commission
1919 M St., NW
Washington, DC 20554

(from AMSAT News Service)

Declaratory Ruling Request Mishandled and Misunderstood, League Says

The ARRL says its request seeking an FCC declaratory ruling affirming the value of band plans was mishandled by the FCC and misunderstood by the amateur community. In comments on RM-9259 filed with the FCC in May, the ARRL says it never intended to propose any changes to the amateur rules, and its request should not have been treated as a rulemaking petition.

The ARRL said it does not dictate how bandplans are developed and was not asking to make specific bandplans mandatory or to accommodate certain uses to the exclusion of others. "Exactly the opposite is intended," the League's comments declared. "Voluntary bandplans should be voluntary, and adherence to them should remain voluntary."

The League said its only goal was to have the FCC interpret and clarify the scope of "good amateur practice" as the term is used in Part 97 of the Commission's rules. It wants the commission to affirm--as the then-Chief of the Private Radio Bureau did in 1983--that, "given the widespread acceptance of band plans in the Amateur Service, operation not in harmony with those plans, which results in interference to other amateur uses, is not good amateur practice."

The ARRL reiterated that voluntary bandplans that enjoy general acceptance and adherence among hams are "indispensable" and a keystone to self regulation.

The FCC's handling of the request as a rulemaking petition "has caused confusion in the amateur community, the League said. "This misunderstanding has led commenters to presume that to grant the request would provide absolute authority on the part of the League or to volunteer repeater coordinators" to decide bandplans with the force of rule, the League said. "Not so," the League's filing said. "Nothing gives voluntary bandplans any more force or effect than is afforded by the amateur community that accepts, rejects, or modifies them."

The ARRL's comments conclude by again asking the FCC to issue a declaratory ruling stating that "good amateur practice anticipates compliance with accepted, voluntary, international, national, and regional bandplans adopted by cooperation and coordination among individuals and licensees."

A copy of the League's comments to the FCC is on the ARRL Web page at :
<http://www.arrl.org/announce/RM-9259-cmt.pdf>.

(from ARRL Newsletter)



'98 Dayton Hamvention - from left to right, Carole Perry, WB2MGP - Moderator of the Dayton Youth Forum holding a plaque presented by BARC JR. - Crystal, KC0AJF - BARC JR. - and Nancy, KC4IYD - President of the YLRL Organization

BARC Sr. Field Day

The Field Day Committee held a planning meeting on Saturday morning May 23rd, with Glenn Rosenberger, W9FFU; Chuck Duey, KI0AG; Bernie Poskus, KF0QS; Bruce Thyron, and myself, Bob Johnson, NQ5P present.

At the time of this writing, we have not yet secured a Field Day site. The location needs to be on a flat area with space for multiple HF, VHF, and UHF antennas, as well as plenty of parking spaces, a picnic area, restrooms, and locations for camping trailers. The site should also have plenty of public visibility.

Chuck Duey has offered to head up the Generator task, as well as Satellite QSO, Natural Power, and the VHF/UHF Bands. Chuck recommends that all Transceivers be powered from 12 volts for no outage. He will provide batteries, but I think we could use some 115vAC to 12vDC chargers and 115v power cords for the more distant runs.

Bernie Poskus volunteered to be Vice Chairman as well as the 20M Station Lead, and will provide sleeping quarters.

Glenn Rosenberger volunteered to copy the W1AW bulletin before FD, and also head up the 40M CW station. (Glenn will need help with station and antenna setup)

Bruce Thyron volunteered to be the Station Lead for 10M and 15M. Since Bruce is a Technician Class, he could use some experienced help, especially with the antenna and to find several Transceivers (if we are to do both simultaneously).

I volunteered to cook the Pancake breakfast on Sunday morning at 7:30 am, but I could sure use a volunteer for the BBQ Saturday evening at 7:00 pm.

I volunteered Dave Casler, KE0OG to be the official FD photographer. Thanks Dave!

Bring a sack lunch for Saturday noon. Supper and breakfast meals will be provided by the Club.

We still need volunteers to head up the following. See the field day task list for details and suggestions on what this lead needs to do.

Tasks to be assigned:

- * 80M Station Lead
- * Greeter/Security
- * Public Display
- * Logging
- * Antennas

Field Day Tasks:

Greeter/Security = Keeps visitor log and interest log. Handouts and security.

Public Display = Information booth. Video link from site to mall? Handouts, present interest logs = 100 pts.

Location = American Legion Post #10 in North Boulder "with significant access by the public" = 100 pts.

Logging = Communicates logging requirements and send in by July 28 to the ARRL. Summary sheet legible call signs logging S/W. Each sheet must include band, mode and time. Transcribe to computer and put into alphanumeric order for ARRL entry.

Antennas = Transportation, Mechanical & Radiation safety inspection. Minimize EMI layout at site < 1000 ft. circle. Coordination of setup and take down.

Station Lead - 80M

setup/takedown
scheduling
shelter
transceiver
antenna

If you would like to participate in the BARC Field Day this year and/or would like to tackle one of the above responsibilities, please contact Bob Johnson, NQ5P by leaving a voice mail at the BARC phone number (303) 380-6540 or via Email at:

rjohnson@jceinc.com

Submitted by:

Bob Johnson, NQ5P
Field Day Chairman

+ W0DK QSL Card Contest +

Do you have a great picture of Boulder or the surrounding countryside? BARC is printing new QSL cards and we want to use your photo. The selected BARC member's photo will have the winning photographer's credits published on every QSL that W0DK sends around the world and beyond! You'll be famous worldwide and intergalactically!

Mail your entries to BARC's PO Box. The winning photo will be selected by club vote at the July picnic and club meeting.

Future Hamfests Calendar

August 29 & 30 - MARC Campfest/Swapfest

The 17th Annual Mountain Amateur Radio Club Campfest/Swapfest will be held at the Colorado Lions Camp, 4 miles North of Woodland Park on Highway 67 North. Free admission. Talk-in on 146.82. \$10 per space daily to camp and/or sell. Potluck Saturday evening at 5:00PM. Prizes and snack bar. Advance reservations requested. Contact Don, AA0NW at (719)687-3692 or mail reservations to: MARC, PO Box 1012, Woodland Park, CO 80866

September 27 - BARCfest and Colorado District ARRL Convention

BARC's 45th annual swapfest and the 1998 Colorado District ARRL Convention will be held Sunday, September 27th from 8AM to 2PM at the Boulder County Fairgrounds. The theme is "Youth and Amateur Radio". A youth forum will be featured and the forum moderator will be Rosalie White, WA1STO head of the Education Activities Committee from ARRL HQ. Meet your Rocky Mountain ARRL representatives.

Admission is \$4 at the door. Children under the age of 12 are free and young adults, ages 12 - 18, are 1/2 price admission or \$2. Table reservations are \$10/each prepaid (includes one free admission) or \$15/each at the door. There will be 4 HT's given away as door prizes. For more information and/or reservations, call the BARC 24 hour HotLine at (303) 380-6540 or Email: BARC@pobox.com. This year you may also reserve your tables on the BARC website at:

<http://www.thisistrue.com/barc.html>

W0DK

Boulder Amateur Radio Club
PO Box 17362
Boulder, CO 80308-0362
U.S.A.



Date	Time	Frequency	RST Sent	RST Rcvd	Mode

1998 Boulder Amateur Radio Club Membership / Renewal Application

The BARC Membership year is from January 1 to December 31.

Please supply all the information requested below :

Date: _____ Call: _____
 Name: _____
 Other Family Member Name: _____ Call: _____
 Address: _____
 City & State: _____
 Zip Code +4: _____
 Phone: _____ E-Mail: _____

Membership type: _____ {R, C, A}
 License Class: _____ {E,A,G,T+,T,N or blank}
 Year Licensed: _____ (Year first license was granted)
 ARRL Member: _____ (Y or N) License Expires: _____

REMINDER: BARC membership dues are payable at the first of the year. If you are a **BARC Jr.** whose family does **NOT** belong to **BARC** (not part of a family membership), then your yearly dues are also due January 1st. If you want to pay now, your dues will be paid through December, 1998.

Membership Types:

R (Regular) -- \$ 18 / year

Note: Family members are included in regular memberships in the same household.

C (Child) -- \$ 6 / year*

*Child memberships are for children 17 years of age or younger whose parents are **not** members of B.A.R.C.

A (Associate) -- \$ 18 / year

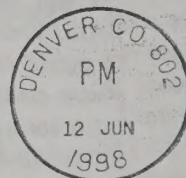
**Make checks payable to B.A.R.C.
and Mail to :**

**B.A.R.C. Membership
P.O. Box 17362
Boulder, CO 80308-0362**



B.A.R.C.'s Bark

**Boulder Amateur Radio Club
P.O. Box 17362
Boulder, CO 80308-0362**



Jun 16 - "The Fine Art of Fox-Hunting".
 Tips, Techniques and Equipment used in
 T-Hunting. Learn how this activity is used
 for fun and for serious situations as well.
 Guest speaker will be Dave Sharpe,
 KI0HG. NIST, Rm. 1107

Randy Cassingham, K0RCC
 P.O. Box 17326
 Boulder CO 80308 - 0326
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